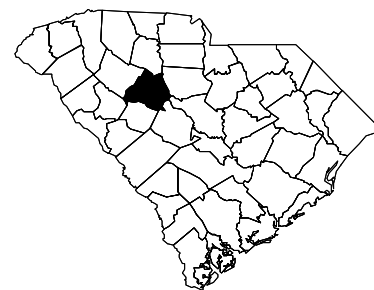


IMPACT OF CHRONIC CONDITIONS NEWBERRY County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Newberry county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Newberry county's population is similar to the state population. The majority (38%) of the population in Newberry county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Newberry county has a higher minority population (34%) than the state (32%). Newberry's elderly population (15%) is lower than the state's (34%). When adults in Newberry county were asked about their general health status, 87.3% reported having excellent, very good, or good health in 2002 (SC was 83%).

	NEWBERRY COUNTY	STATE
Population size	36,897	4,107,183
Age distribution (%)		
<18	23	24
18-44	38	40
45-64	25	24
65-84	12	11
85+	2	1
Race (%)		
White	66	68
Black & Other	34	32
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Newberry county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	27
Sedentary lifestyle	43	42
Overweight	60	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	25.5	.	.	.	.	28.4
Number of hospitalizations	72	47	25	21	51	5,173
Standard rate of hospitalizations (per 100,000)	175	410	75	116	223	125
Median age of hospitalized patients	63	53	73	48	68	63
Total cost of hospitalization (\$)	1,050,200	707,500	342,700	289,000	761,200	79,350,400
Average length of hospital stay (days)	6	6	6	5	6	5
Number of ED visits	74	46	28	29	45	7,306
Standard rate of ED visits (per 100,000)	192	394	92	159	212	175
Median age of ED patients	53	48	78	48	53	53
Total cost of ED visits (\$)	89,800	51,600	38,200	29,800	60,000	5,902,800
Number of deaths*	5	1	4	2	3	366
Standard death rate (per 100,000)*	12	8	13	10	11	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.27	.	.	.	.	5.13
Number of hospitalizations	324	90	234	183	141	30,831
Standard rate of hospitalizations (per 100,000)	772	798	735	989	588	734
Median age of hospitalized patients	68	58	68	63	68	68
Total cost of hospitalization (\$)	8,666,600	2,036,300	6,630,300	5,553,500	3,113,100	969,122,700
Average length of hospital stay (days)	5	4	5	5	4	5
Number of ED visits	58	12	46	34	24	2,754
Standard rate of ED visits (per 100,000)	141	111	150	190	99	66
Median age of ED patients	68	68	68	68	70	63
Total cost of ED visits (\$)	409,200	48,800	360,400	159,200	250,000	10,617,900
Number of deaths*	99	31	68	46	53	9,723
Standard death rate (per 100,000)*	229	306	199	279	188	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.03	.	.	.	.	2.38
Number of hospitalizations	183	71	112	81	102	14,317
Standard rate of hospitalizations (per 100,000)	429	677	338	473	405	351
Median age of hospitalized patients	78	68	78	73	78	73
Total cost of hospitalization (\$)	3,436,200	1,416,300	2,019,900	1,750,300	1,685,900	279,819,700
Average length of hospital stay (days)	8	9	7	9	6	6
Number of ED visits	53	18	35	28	25	2,732
Standard rate of ED visits (per 100,000)	126	172	105	166	97	67
Median age of ED patients	73	60	78	65	78	73
Total cost of ED visits (\$)	121,100	44,000	77,100	71,600	49,500	6,322,600
Number of deaths*	39	13	26	17	22	2,816
Standard death rate (per 100,000)*	88	126	74	108	78	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	147	41	106	59	88	14,524
Standard rate of hospitalizations (per 100,000)	360	367	345	338	394	351
Median age of hospitalized patients	63	45	68	63	60	58
Total cost of hospitalization (\$)	1,434,800	338,700	1,096,100	589,200	845,600	198,700,700
Average length of hospital stay (days)	4	4	5	4	5	5
Number of ED visits	328	182	146	135	193	37,517
Standard rate of ED visits (per 100,000)	901	1,434	594	767	1,032	914
Median age of ED patients	33	28	48	28	43	33
Total cost of ED visits (\$)	289,800	160,600	127,700	128,400	161,400	30,607,600
Number of deaths*	20	6	14	13	7	1,891
Standard death rate (per 100,000)*	47	63	42	80	28	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.55	.	.	.	.	8.33
Number of hospitalizations	117	71	46	55	62	8,652
Standard rate of hospitalizations (per 100,000)	293	634	152	320	276	207
Median age of hospitalized patients	58	55	68	58	58	53
Total cost of hospitalization (\$)	1,155,400	579,600	575,800	620,500	534,900	127,167,500
Average length of hospital stay (days)	6	4	8	7	4	6
Number of ED visits	120	91	29	55	65	9,316
Standard rate of ED visits (per 100,000)	311	795	99	316	296	224
Median age of ED patients	53	53	48	53	53	53
Total cost of ED visits (\$)	144,100	102,900	41,200	61,400	82,700	8,261,100
Number of deaths*	21	3	18	10	8	1,114
Standard death rate (per 100,000)*	50	33	56	73	41	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	290	84	206	117	173	24,644
Standard rate of hospitalizations (per 100,000)	711	770	674	673	790	591
Median age of hospitalized patients	68	58	68	68	58	58
Total cost of hospitalization (\$)	6,966,200	2,476,300	4,489,900	3,320,600	3,645,600	605,119,300
Average length of hospital stay (days)	7	10	7	9	7	6
Number of deaths*	93	21	72	54	39	8,320
Standard death rate (per 100,000)*	218	218	221	337	152	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	36	12	24	21	15	2,113
Standard rate of hospitalizations (per 100,000)	85	121	74	129	57	51
Median age of hospitalized patients	75	75	75	73	78	68
Total cost of hospitalization (\$)	1,260,100	335,500	924,600	746,200	513,900	80,248,200
Average length of hospital stay (days)	11	10	11	11	11	10
Number of deaths*	11	4	7	8	3	807
Standard death rate (per 100,000)*	26	43	23	52	10	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	20	4	16	.	20	1,465
Standard rate of hospitalizations (per 100,000)	49	38	53	.	87	35
Median age of hospitalized patients	70	65	70	.	70	63
Total cost of hospitalization (\$)	223,900	43,000	180,900	.	223,900	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	9	3	6	-	9	630
Standard death rate (per 100,000)*	22	30	20	-	39	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	6	.	9	.	11	5
Median age of hospitalized patients	33	.	33	.	33	48
Total cost of hospitalization (\$)	31,200	.	31,200	.	31,200	3,668,300
Average length of hospital stay (days)	4	.	4	.	-	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	32	8	24	21	11	2,154
Standard rate of hospitalizations (per 100,000)	76	74	74	114	45	51
Median age of hospitalized patients	70	63	73	68	73	68
Total cost of hospitalization (\$)	836,300	382,200	454,100	567,700	268,600	70,474,400
Average length of hospital stay (days)	10	17	7	10	10	9
Number of deaths*	29	5	24	17	12	2,481
Standard death rate (per 100,000)*	67	55	72	105	45	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	3	9	12	.	1,353
Standard rate of hospitalizations (per 100,000)	28	29	28	68	.	32
Median age of hospitalized patients	68	83	68	68	.	68
Total cost of hospitalization (\$)	216,400	52,300	164,100	216,400	.	24,726,200
Average length of hospital stay (days)	4	9	3	4	.	4
Number of deaths*	2	1	1	2	-	478
Standard death rate (per 100,000)*	5	11	3	14	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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